



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
MULLIS)
Serial No. 10/696,770) Art Unit:
Filed: October 29, 2003) Examiner:
For: CHEMICALLY PROGRAMMABLE)
IMMUNITY)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The citation of information on the attached Form PTO-1449, "Information Disclosure Statement by Applicant" is made pursuant to 37 C.F.R. §§ 1.97 and 1.98. A copy of each cited item is enclosed unless stated otherwise hereinbelow.

Pursuant to 37 C.F.R. §1.98(d), inasmuch as this application relies on prior application Serial No. 10/178,046 filed June 21, 2002 and application Serial No. PCT/US00/35179 filed December 21, 2000 for an earlier filing date under 35 U.S.C. § 120, no copy of any patent, publication or other information previously cited by or submitted to the Office in such prior application is being provided herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

April 16, 2004
Sima Singadia Kulkarni
Sima Singadia Kulkarni – Reg. No. 43,732

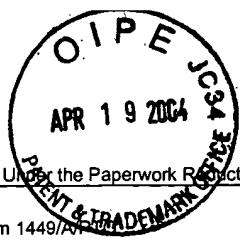
The citation of this information does not constitute an admission that any of the materials are available as a reference or of priority, or a waiver of any right applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Respectfully submitted,



Sima Singadia Kulkarni
Reg. No. 43,732

KILPATRICK STOCKTON LLP
1100 Peachtree Street
Suite 2800
Atlanta, Georgia 30309-4530
(404) 815-6500
Our Docket: 13139-0103 (44537-280131)



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office - U.S. DEPARTMENT OF COMMERCE

Approved for use through 10/31/2002 OMB 0651-0031
GSA GEN. REG. NO. 142, REPRINTED 05-2002

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
is a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/A-1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	10/696,770
Filing Date	October 29, 2003
First Named Inventor	MULLIS
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	13139-0103 (44537-280131)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	10/696,770
				Filing Date	October 29, 2003
				First Named Inventor	MULLIS
				Group Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	2	of	2	Attorney Docket Number	13139-0103 (44537-280131)

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
	3	FAMULOK, M., and MAYER, G. "Aptamers as Tools in Molecular Biology and Immunology." <i>Current Topics in Microbiology and Immunology</i> . 1999. Vol. 243, pp. 123-35. New York: Springer-Verlag, Inc.		
	4	ALEXANDER, H. ET AL.; "Altering the antigenicity of proteins"; <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 89, pp. 3352-3356, April 1992		
	5	GEYSEN, H. MARIO ET AL.; "Isotope or mass encoding of combinatorial libraries"; <i>Chemistry & Biology</i> ; 1996, Vol. 3, No. 8, pp. 679-688		
	6	EDMUNDSON, ALLEN B. ET AL.; "Binding of peptides to proteins: an exercise in molecular design"; <i>1991 Host-guest molecular interactions: from chemistry to biology</i> . Wiley, Chichester (Ciba Foundation Symposium 158); pp. 213-230		
	7	SMITH, GEORGE; "Surface presentation of protein epitopes using bacteriophage expression systems"; <i>Current Biology Ltd.</i> , ISSN 0958-1669; pp. 668-673		
	8	RODDA, STUART J. ET AL.; "Multipin Technology in the Preparation and Screening of Peptide Libraries"; <i>Australasian Biotechnology</i> 3, pp. 346-347 (1993)		
	9	CARTER, J. MARK; "Epitope Mapping of a Protein Using the Geysen (PEPSCAN) Procedure"; <i>Methods in Molecular Biology</i> Vol. 36: <i>Peptide Analysis Protocols</i> ; pp. 207-223 (1994)		
	10	GYESEN, H. MARIO ET AL.; "Strategies for epitope analysis using peptide synthesis"; <i>Journal of Immunological Methods</i> , 102 (1987) 259-274		
	11	GEYSEN, H. MARIO ET AL.; "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid"; <i>Proceedings of the National Academy of Sciences of the United States of America</i> ; Vol. 81, No. 13, [Part 1: Biological Sciences] (Jul. 1, 1984), 3998-4002		
	12	SCHULTZ, JANE S. ET AL.; "The Combinatorial Library: A Multifunctional Resource"; <i>Biotechnol. Prog.</i> , 1996, 12, 729-743		
	13	EDMUNDSON, A.B. ET AL.; "Principles and Pitfalls in Designing Site-Directed Peptide Ligands"; <i>PROTEINS: Structure, Function and Genetics</i> ; 16:246-267 (1993)		
	14	VALERIO, ROBERT M. ET AL.; "Multipin peptide synthesis at the micromole scale using 2-hydroxyethyl methacrylate grated polyethylene supports"; <i>Int. J. peptide Protein Res.</i> 42, 1993, 1-9		
	15	TRIBBICK, GORDON ET AL.; "Systematic fractionation of serum antibodies using multiple antigen homologous peptides as affinity ligands"; <i>Journal of Immunological Methods</i> , 139, (1991) 155-166		
	16	GALILI, URI ET AL.; "α-Gal and Anti-Gal α1,3-Galactosyltransferase, α-Gal Epitopes, and the Natural Anti-Gal Antibody"; <i>Subcellular Biochemistry</i> ; Vol. 32, 1999, pp. 1-23		
	17	WAGNER, D.S.; "Ratio Encoding Combinatorial Libraries with Stable Isotopes and their Utility in Pharmaceutical Research"; <i>Combinatorial Chemistry & High Throughput Screening</i> , 1998, 1, 143-153		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.

not had a review